To: CN=Tom Hagler/OU=R9/O=USEPA/C=US@EPA;CN=Laura Fujii/OU=R9/O=USEPA/C=US@EPA;CN=Carolyn Yale/OU=R9/O=USEPA/C=US@EPA;CN=Bruce Herbold/OU=R9/O=USEPA/C=US@EPA[]; N=Laura Fujii/OU=R9/O=USEPA/C=US@EPA;CN=Carolyn Yale/OU=R9/O=USEPA/C=US@EPA;CN=Bruce Herbold/OU=R9/O=USEPA/C=US@EPA[]; N=Carolyn Yale/OU=R9/O=USEPA/C=US@EPA;CN=Bruce Herbold/OU=R9/O=USEPA/C=US@EPA[]; N=Bruce Herbold/OU=R9/O=USEPA/C=US@EPA[]
Cc: CN=Karen Schwinn/OU=R9/O=USEPA/C=US@EPA;CN=Sam Ziegler/OU=R9/O=USEPA/C=US@EPA[]; N=Sam Ziegler/OU=R9/O=USEPA/C=US@EPA[]
From: CN=Erin Foresman/OU=R9/O=USEPA/C=US
Sent: Wed 4/28/2010 4:46:52 PM
Subject: Materials for BDCP Alternatives Discussion today at 2:00 PM
BDCPAlternatives.pdf
Alternatives & Historic Water Exports 1956 to 2008.docx

Hi Everyone,

Today we need to discuss BDCP operations alternatives with the goal of defining an operations strategy that increases regional water supply independence and subsequently reduces reliance on the Delta for water supply/distribution. Some have called this the "reduced-exports" alternative.

Discussion of BDCP conveyance alternatives becomes complex quickly. There are four basic alternatives that DWR is considering:

1. No Project
2. Through Delta
3. Isolated Conveyance
4. Dual Conveyance

There are various alignments for the isolated and dual conveyance options. One alignment for the "through Delta" alternative. There are also construction, sizing, and intake/diversion alternatives for through delta, isolated conveyance and dual conveyance. There are conservation alternatives and probably some other stuff I'm not thinking about right now. We are not focusing on these today, but need to be aware of them.

Our task today is to consider the operations strategies that would be evaluated for each of these basic alternatives: no project, through delta, isolated conveyance, and dual conveyance. Specifically, we need to discuss and generate ideas for how we would estimate the amount of water that would be extracted from the Delta in a "reduced-exports" alternative. Or we might call it a "Water-Independence" alternative or "Ecosystem Stability" alternative or "Co-Equal Goals" alternative.

Some things to think about are listed below. Please contribute your ideas by email or bring them to the meeting.

1. Estimating export volume as a function (formula) of available water supply given a set of ecosystem stability constraints (such as various fish populations, water quality parameters, etc...). Or how much water can be extracted given a sustainable ecosystem threshold. Totally easy right?
2. The 20X2020 Water Conservation plan that requires 20% reduction in urban water use by 2020 (this includes industrial uses).
3. Land retirement -- for example anticipated land retirement in Westlands water district and how that impacts need. There may be other examples of this as well.
4. Requesting information from each of the water contract holders on the composition of their water supply, a breakdown of where all of it comes from with projected future supply from each source.
5. Population growth
6. Historic exports (see attached graph).

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Please look through the attached documents. They should help people visualize the conveyance portion of the BDCP and think about water exports.

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